

Serial No. 11/827,246

Attorney Docket No. 01-616

LISTING OF CLAIMS:

1. (Currently Amended) A fluid machine for a system having an engine comprising:
a waste heat collecting cycle for collecting waste heat from the engine and having an expansion device for generating rotational driving force from the collected waste heat; and
an engine accessory operatively connected to the engine and driven by a driving force from the engine, wherein
a rotating shaft is commonly used as shafts for the expansion device and the engine accessory, and
the expansion device is ~~[an]~~ a scroll type expansion device for changing its expansion volume, in which a movable scroll is rotated with an orbit motion to a fixed scroll.

Claims 2 – 12 have been canceled without prejudice or disclaimer.

13. (Original) A fluid machine for an automotive vehicle having an internal combustion engine comprising:
a pulley operatively connected to the engine and rotationally driven by a rotational driving force from the engine;
a waste heat collecting cycle for collecting waste heat from the engine and having an expansion device for generating rotational driving force from the collected waste heat;
an alternator for generating electric power and operatively connected to the pulley and the expansion device so that the alternator is driven by the driving force from at least one of the engine and the expansion device; and
a rotating shaft commonly used as shafts for the pulley, the alternator and the expansion

Serial No. 11/827,246

Attorney Docket No. 01-616

device.

14. (Previously presented) The fluid machine according to claim 13, wherein a one-way clutch is provided between the pulley and the shaft.

15. (Previously presented) The fluid machine according to claim 13, wherein a crank mechanism is provided between the shaft and the expansion device.

16. (Previously presented) The fluid machine according to claim 13, wherein a one-way clutch is provided between the shaft and the expansion device.

17. (Previously presented) The fluid machine according to claim 13, wherein the expansion device includes a pair of cooperating scroll elements.

18. (New) A fluid machine according to claim 1, further comprising:
a crank mechanism disposed between the shaft and the expansion device to vary a radius of the orbit motion of the movable scroll by the rotational driving force from the expansion device.

19. (New) A fluid machine according to claim 1, wherein
the engine accessory is an alternator for generating electric power, and
the fluid machine further comprises a connecting device for operatively connecting the expansion device with the alternator, when an operation of the engine is stopped, so that the alternator is continuously driven by the rotational driving force from the expansion device.

Serial No. 11/827,246

Attorney Docket No. 01-616

20. (New) A fluid machine according to claim 19, wherein
the connecting device is a one-way clutch provided between the alternator and the
expansion device.